

Message Text

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C O N F I D E N T I A L SECTION 1 OF 7 USNATO 4521

CNO FOR OP-098; CSAF FOR AFRD AND AFRIP; DA FOR DAMA-PPI;
SECDEF FOR ODDR&E/IP AND ODTACCS, DASD/I&L, DASD/ISA AND DASD/
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TAGSGS ETEL, MARR, NATMG
SUBJ: TRI-SERVICE GROUP ON COMMUNICATIONS AND ELECTRONICS EQUIP-
MENT

REF: (A) USNATO 2474 (DTG 061150Z MAY 76), (B) USNATO 4309
(DTG 031553Z AUG 76)

FYI: THIS MESSAGE POUCHED AS AIRGRAM A-171, AUGUST 3, 1976.
IS NOW TRANSMITTED ELECTRICALLY DUE TO TIME REQUIREMENTS.
END FYI.

1. WE FORWARD FOR WASHINGTON REVIEW THE TEXT OF A PROPOSAL FOR
THE FORMATION OF A TRI-SERVICE GROUP UNDER THE CONFERENCE OF
NATIONAL ARMAMENTS DIRECTORS (CNAD) ON COMMUNICATIONS AND
ELECTRONIC EQUIPMENT. OUR VIEWS CONCERNING THE PROPOSAL WERE
FORWARDED BY REF B. REQUEST WASHINGTON GUIDANCE ON THE TOR
BY SEPT 8, 1976.
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2. DRAFT TEXT OF AC/259-WP(REVISED) FOLLOWS:

QUOTE

BEGIN TEXT:

PROPOSAL FOR THE FORMATION OF A TRI-SERVICE GROUP UNDER
THE CNAD ON COMMUNICATIONS AND ELECTRONIC EQUIPMENT

REPORT BY THE NADREPS

INTRODUCTION

FOLLOWING THE INITIATIVE TAKEN BY THE CONFERENCE AT ITS MEETING IN OCTOBER 1974, A STEERING COMMITTEE, COMPRISING THE ASSISTANT SECRETARY GENERAL FOR DEFENCE SUPPORT, THE DIRECTOR OF COUNCIL OPERATIONS AND COMMUNICATIONS AND THE ASSISTANT DIRECTORS FOR COMMUNICATIONS-ELECTRONICS AND FOR COMMAND, CONTROL AND INFORMATION SYSTEMS IN THE INTERNATIONAL MILITARY STAFF, HAS BEEN DIRECTING A STAFF STUDY OF THE INTEROPERABILITY AND SECURITY OF MILITARY COMMUNICATIONS IN NATO. THE AIM OF THE STEERING COMMITTEE IS TO PRODUCE A REPORT ON THE STUDY WHICH, AFTER ENDORSEMENT BY THE MILITARY COMMITTEE, THE CONFERENCE, THE NATO JOINT COMMUNICATIONS-ELECTRONICS COMMITTEE (NJCEC), THE NATO COMMAND, CONTROL AND INFORMATION SYSTEMS AND AUTOMATIC DATA PROCESSING COMMITTEE (NCCDPC), AND THE NATO MILITARY COMMUNICATIONS ELECTRONICS BOARD, CAN BE SUBMITTED AS A JOINT REPORT FROM THOSE BODIES FOR COUNCIL ACTION(1).

2. AT ITS MEETING IN OCTOBER 1975, THE CONFERENCE WAS ADVISED THAT THE REPORT HAD REACHED THE PRELIMINARY DRAFT STAGE. THE CONFERENCE WAS FURTHER ADVISED THAT IN THE COURSE OF PREPARING THE REPORT IT HAD ALREADY BECOME OBVIOUS THAT THERE WAS A NEED FOR A TRI-SERVICE GROUP TO BE FORMED, DIRECTLY UNDER THE CNAD, TO WORK IN THE FIELD OF COMMUNICATIONS AND ALSO IN THE CLOSELY RELATED AREAS OF AUTOMATIC DATA PROCESSING, IDENTIFICATION AND NAVIGATION. THE CONFERENCE WAS REQUESTED TO AGREE IN PRINCIPLE TO THE FORMATION OF SUCH A GROUP BUT IT DECIDED TO DEFER MAKING A DECISION AT THAT TIME AND, INSTEAD, INVITED THE NADREPS, IN CONSULTATION WITH CONFIDENTIAL

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THE MAIN GROUPS, TO PREPARE A MORE SPECIFIC PROPOSAL FOR ITS EARLY CONSIDERATION(2).

BACKGROUND

3. EVEN PRIOR TO THE OCTOBER 1975 MEETING OF THE CNAD, THE NADREPS HAD BEEN ACQUAINTED BY THE ASSISTANT SECRETARY GENERAL FOR DEFENCE SUPPORT WITH THE REASONS FOR THE VIEW THAT A TRI-SERVICE GROUP WAS NECESSARY TO WORK IN THE AREAS CONCERNED AND HAD BEEN PROVIDED WITH POSSIBLE TERMS OF REFERENCE FOR THE GROUP (SEE ANNEX). THE NADREPS WERE SUBSEQUENTLY PROVIDED WITH COPIES OF THE PRELIMINARY DRAFT REPORT WHICH CONTAINED THE RATIONALE FOR THE FORMATION OF THE GROUP AND, MORE RECENTLY, RECEIVED A PRESENTATION BY THE INTERNATIONAL STAFF IN WHICH THE RATIONALE WAS EXPLAINED IN

CONSIDERABLY GREATER DETAIL. THE REPORT HAS ALSO NOW BEEN PUBLISHED, IN FINAL DRAFT FORM, UNDER THE REFERENCES OF THE CNAD AND THE OTHER SENIOR COMMITTEES CONCERNED AND ALSO OF THE MAIN GROUPS(1).

4. THE INTERNATIONAL STAFF'S PROPOSAL IS, IN ESSENCE, THAT A TRI-SERVICE GROUP SHOULD BE FORMED WHICH WOULD BE CONCERNED PRIMARILY WITH EQUIPMENT, INCLUDING AUTOMATIC DATA PROCESSING EQUIPMENT, USED IN THE TACTICAL COMMAND AND CONTROL, COMMUNICATIONS, NAVIGATION AND IDENTIFICATION SYSTEMS OF NATIONAL FORCES. IT WOULD NOT BE CONCERNED WITH INDIVIDUAL ELECTRONIC DEVICES OR WITH ELECTRONIC COMPONENTS USED IN WEAPON SYSTEMS. THE REASONS ADVANCED BY THE INTERNATIONAL STAFF FOR THE FORMATION OF THE GROUP ARE SUMMARISED IN THE FOLLOWING PARAGRAPHS.

5. IMPORTANT THOUGH INTEROPERABILITY OR STANDARDIZATION CERTAINLY IS IN RESPECT OF WEAPON SYSTEMS, IT IS OF EVEN GREATER IMPORTANCE THAT THE NATO FORCES SHOULD HAVE COMMON AND COMPATIBLE MEANS OF IDENTIFYING ENEMY FORCES AND THEMSELVES; THAT THEY SHOULD BE ABLE TO COMMUNICATE WITH ONE ANOTHER; THAT THEY SHOULD BE PROVIDED WITH RAPID AND THEREFORE AUTOMATIC MEANS OF GATHERING AND PROCESSING THE INFORMATION NECESSARY FOR DECISION MAKING AND OF EXCHANGING THIS INFORMATION BETWEEN THEM; AND THEY SHOULD HAVE THE CAPABILITY TO NAVIGATE, AND TO LOCATE THEIR OWN AND ENEMY UNITS, TO THE SAME DEGREE OF ACCURACY AND TO COMMON REFERENCES. IT IS IN THESE AREAS THAT

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THE ACHIEVEMENT OF INTEROPERABILITY CAN CONTRIBUTE MOST TO THE OPERATIONAL EFFECTIVENESS OF THE ALLIANCE. NATO MUST THEREFORE HAVE AN ORGANIZATION WHICH IS CAPABLE OF ACHIEVING THAT INTEROPERABILITY.

6. UNLIKE IN OTHER ARMAMENTS FIELDS, THERE ARE IN NATO A NUMBER OF SPECIALISED, MULTINATIONAL BODIES - THE SENIOR OF WHICH ARE COMPRISED OF TOP MEN IN THE FIELDS CONCERNED - WHICH DEAL, ON A TRI-SERVICE BASIS, WITH THE OPERATIONAL POLICIES AND REQUIREMENTS FOR, AND OTHER OPERATIONAL ASPECTS OF MILITARY COMMUNICATIONS, IDENTIFICATION AND NAVIGATION SYSTEMS AND AUTOMATIC DATA PROCESSING SYSTEMS FROM BOTH THE NATO AND NATIONAL POINTS OF VIEW. IN THE CASE OF NATO SYSTEMS, THESE BODIES ALSO PLAY A LARGE PART IN PLANNING AND IMPLEMENTATION. THEY ARE EITHER SUBORDINATE (OR HAVE RESPONSIBILITIES) TO THE MILITARY COMMITTEE OR ARE RESPONSIBLE TO THE POLICIES AND REQUIREMENTS ESTABLISHED BY THAT COMMITTEE. THE ONE THING WHICH IS NOT POSSESSED BY THE COMMITTEE IS THE MACHINERY FOR INTRODUCING EQUIPMENT INTO THE NATIONAL FORCES WHICH MEETS THE REQUIREMENTS IT ESTABLISHES FOR INTEROPERABILITY OR STANDARDIZATION. IT IS, OF COURSE, THE CNAD WHICH MUST PROVIDE THIS MACHINERY.

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7. IN THE AREAS IN QUESTION, THE CNAD IS NOT SO WIELL
ENDOWED WITH SPECIALISED ADVICE AND ASSISTANCE AS THE MILIITARY
COMMITTEE. IT SIMMEDIATE SUBORDINATE BODIES - THE MAIN GROUPS -
ARE NOT EXPERT IN THESE AREAS. THE EXPERTS COME INTO THE
PICTURE AT A LOWER LEVEL BOTH ORGANIZATIONALLY AND IN RESPECT
OF RANKS OR GRADES OF THE NATIONAL REPRESENTATIVES. MOREOVER,
THE ACTIVITIES OF THE BODIES TO WHICH THE EXPERTS BELONG ARE,
IN GENERAL, RESTRICTED TO PARTICULAR TYPES OR KINDS OF
COMMUNICATIONS OR ELECTRONIC EQUIPMENT AND THEY ARE, WITH
SOME EXCEPTIONS, SINGLE SERVICE IN NATURE. THE BODIES WHICH
ARE CURRENTLY WORKING IN THE AREAS CONCERNED ARE:

(A) THE NNAG INFORMATION EXCHANGE GROUP NO. 5 ON
TACTICAL CONTROL AND DATA HANDLING, WHICH ALSO
DEALS WITH NAVAL NAVIGATIONAL MATTERS;
(B) THE TRI-SERVICE GROUP UNDER NNAG ON NAVIGATION,
POSITION FINDING AND RELATED DEVELOPMENTS;
(C) THE NAFAG SUB-GROUP NO. 6 ON TACTICAL AIR
RECONNAISSANCE-INTELLIGENCE WHICH, AMONGST OTHER
THINGS, IS CONCERNED WITH THE DATA HANDLING
FACILITIES REQUIRED FOR THE COLLECTION AND
DISSEMINATION OF TACTICAL AIR INTELLIGENCE
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INFORMATION;

(D) THE NAFAG SUB-GROUP NO. 5 ON IDENTIFICATION WHICH
IS CURRENTLY ENGAGED IN SEEING WHAT CAN BE DONE

TO IMPROVE THE IDENTIFICATION CAPABILITIES OF THE ALLIANCE IN THE SHORTER TERM AND WHICH CONSIDERS THE NEEDS OF ALL SERVICES FOR MEANS OF IDENTIFYING AIRCRAFT, OR OF IDENTIFYING POTENTIAL TARGETS BY AIRCRAFT, AND, IN THE INTERESTS OF EQUIPMENT COMPATIBILITY, KEEPS ITSELF INFORMED ON THE ACTIVITIES OF THE NAAG PANEL VI IN THE AREA OF BATTLEFIELD IDENTIFICATION;

(E) THE NAAG PANEL XIII ON ADP SYSTEMS FOR COMMAND AND CONTROL AT THE ECHELONS UNDER NATIONAL RESPONSIBILITY;

(F) THE NAAG PANEL VIII ON TELECOMMUNICATIONS WHICH IS CONCERNED PRIMARILY WITH TACTICAL COMMUNICATIONS FOR THE LAND FORCES AND, TO SOME EXTENT, THE AIR FORCES IN THE COMBAT ZONE;

(G) THE NAAG PANEL VI ON COMBAT INTELLIGENCE WHICH, AS MENTIONED IN CONNECTION WITH THE NAFAG SUB-GROUP NO. 5, ALSO CONSIDERS THE LAND FORCES' NEEDS FOR BATTLEFIELD IDENTIFICATION;

(H) THE NAAG PANEL IV ON SURFACE-TO-SURFACE ARTILLERY WHICH HAS A SUB-PANEL DEALING WITH THE INTEROPERABILITY OF FIRE CONTROL SYSTEMS EMPLOYING AUTOMATIC DATA PROCESSING TECHNIQUES; AND

(I) THE SPECIAL TASK GROUP ON THE FUTURE NATO IDENTIFICATION SYSTEM THE REPRESENTATION IN WHICH IS TRI-SERVICE.

THE CO-ORDINATION OF THE ACTIVITIES OF THESE BODIES, AND THE CO-ORDINATION OF THEIR ACTIVITIES WITH THOSE OF THE OTHER NATO BODIES WORKING IN THE SAME FIELDS, IS ACHIEVED, TO THE EXTENT THAT IT CAN BE, MAINLY THROUGH THE MEDIUM OF THE SUPPORTING STAFFS.

8. THE REPORT ON THE STUDY OF THE INTEROPERABILITY AND SECURITY OF COMMUNICATIONS INDICATES THAT, SOONER OR LATER, THE CNAD WILL BE CALLED UPON TO UNDERTAKE A NUMBER OF NEW TASKS IN THIS AREA. FOR EXAMPLE:

(A) THE INVESTIGATION, WHICH THE CNAD HAS ALREADY BEEN CONFIDENTIAL

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REQUESTED TO MAKE, OF THE FEASIBILITY OF INTRODUCING IONOSPHERIC SOUNDING OR CHANNEL EVALUATION TECHNIQUES INTO NATIONAL AND NATO HIGH FREQUENCY COMMUNICATIONS SYSTEMS USED BY ALL SERVICES.

(B) THE INVESTIGATION THE CNAD WILL HAVE TO MAKE, WHEN THE REQUIREMENTS HAVE BEEN APPROVED BY THE MILITARY COMMITTEE, OF THE POSSIBILITIES OF CO-OPERATIVE ACTION IN THE DEVELOPMENT AND PROCUREMENT OF A TACTICAL SATELLITE COMMUNICATIONS SYSTEM TO MEET THE NEEDS OF ALL SERVICES.

(C) THE INVESTIGATION THE CNAD WILL HAVE TO MAKE OF THE POSSIBILITIES OF CO-OPERATIVE ACTION IN THE

DEVELOPMENT AND PROCUREMENT OF JAM-RESISTANT COMMUNICATIONS SYSTEMS; AND INVESTIGATION WHICH WILL HAVE TO TAKE INTO ACCOUNT THE APPLICATION OF SUCH SYSTEMS TO ALL FORMS OF COMMUNICATION, INCLUDING AEW COMMUNICATIONS, AND TO OTHER FUNCTIONS SUCH AS IDENTIFICATION, COMMAND AND CONTROL AND NAVIGATION AND POSITION LOCATION. (D) THE PROMOTION OF CO-OPERATION IN THE DEVELOPMENT AND PROCUREMENT OF CRYPTOGRAPHIC EQUIPMENT WHICH MUST BE COMMON TO ALL FORCES WHICH HAVE TO OPERATE TOGETHER.

HOAVVER, THE ONLY BODY UNDER THE CNAD WHICH IS CURRENTLY CONCERNED SPECIFICALLY WITH COMMUNICATIONS SYSTEMS AND EQUIPMENT IS THE NAAG PANEL VIII AND THIS PANEL, WITH ITS PRESENT TERMS OF REFERENCE AND REPRESENTATION, WILL NOT BE COMPETENT TO UNDERTAKE THESE TASKS WHICH TRANSCEND THE BOUNDARIES OF TACTICAL COMMUNICATIONS FOR THE LAND FORCES IN THE COMBAT ZONE AND ARE ALL TRI-SERVICE IN NATURE.

9. IF COMMUNICATIONS WERE THE ONLY AREA OF CONCERN - AND IT IS ALREADY APPERENT FROM ONE OF THE TASKS LISTED IN THE PRECEDING PARAGRAPH THAT IT IS NOT - IT COULD BE ARGUED THAT ALL THAT NEEDS TO BE DONE IS TO RECONSTITUTE THE NAAG PANEL VIII AS A TRI-SERVICE GROUP AND EXTEND ITS AREA OF RESPONSIBILITY TO COVER COMMUNICATIONS SYSTEMS AND EQUIPMENT FOR ALL SERVICES. HOWEVER, THE REPORT ON THE INTEROPERABILITY AND SECURITY OF MILITARY COMMUNICATIONS GIVES SEVERAL REASONS WHY THIS APPROACH SHOULD NOT BE ADOPTED:
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(A) FIRST, THE EXPERIENCE OF THE TRI-SERVICE GROUP ON NAVIGATION, POSITION FINDING AND RELATED DEVELOPMENTS INDICATES THAT A SEPARATE GROUP, DIRECTLY SUBORDINATE TO THE CNAD, IS MORE LIKELY TO RECEIVE THE WHOLE-HEARTED SUPPORT OF ALL SERVICES IN ALL NATIONS. (B) SECONDLY, EXPERIENCE ALSO INDICATES THAT MEMBERS OF THE NAAG, AND, INDEED, OF ANY OF THE MAIN GROUPS, ARE NOT NECESSARILY CONVERSANT WITH THE TECHNICAL ASPECTS OF COMMUNICATIONS, OR WITH THE DEVELOPMENT AND PROCUREMENT PROGRAMMES IN THE FIELD, TO GIVE A SUBORDINATE BODY ON COMMUNICATIONS THE SUPPORT AND DIRECTION IT REQUIRES.

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(C) THIRDLY, ALTHOUGH IT IS GENERALLY ACCEPTED THAT THERE ARE POLITICAL AND ECONOMIC OBSTACLES IN THE WAY OF MULTINATIONAL CO-OPERATION IN DEVELOPMENT AND PROCUREMENT, EXPERIENCE AGAIN INDICATES THAT ONE OF THE MAJOR STUMBLING BLOCKS, PARTICULARLY IN THE FIELD OF COMMUNICATIONS AND ELECTRONICS, IS THE REMOTENESS OF THE NATIONAL REPRESENTATIVES TO THE SUBSIDIARY BODIES OF THE MAIN GROUPS FROM THE

LEVELS IN THEIR NATIONS AT WHICH DECISIONS CAN BE MADE WHICH HAVE FINANCIAL, ECONOMIC OR INDUSTRIAL IMPLICATIONS. FOR THE GROUP TO BE SUCCESSFUL IN

ITS ENDEAVOURS, NATIONAL REPRESENTATION MUST THEREFORE BE AT THE HIGHER LEVELS OF THE GOVERNMENT DEPARTMENTS CONCERNED WITH DEVELOPMENT AND PROCUREMENT AND THIS KIND OF REPRESENTATION IS UNLIKELY TO BE

PROVIDED TO A GROUP SUBORDINATE TO A MAIN GROUP.
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A FURTHER REASON, WHICH IS NOT MENTIONED IN THE REPORT BUT IS BELIEVED TO BE VALID, IS THAT THERE IS A NEED FOR A BODY WHICH IS ACCEPTED THROUGHOUT NATO AS THE COMPETENT AUTHORITY ON ALL MATTERS CONCERNED WITH THE DEVELOPMENT AND PROCUREMENT OF COMMUNICATIONS EQUIPMENT AND RECOGNISED AS ONE WHICH HAS THE KIND AND LEVEL OF REPRESENTATION TO GET THINGS DONE.

10. IN ANSWER TO THE QUESTION AS TO WHY THE TRI-SERVICE GROUP SHOULD ALSO COVER AUTOMATIC DATA PROCESSING, IDENTIFICATION AND NAVIGATION, THE INTERNATIONAL STAFF MAKES THE POINT THAT IN VIEW OF THE PARAMOUNT IMPORTANCE OF ACHIEVING INTEROPERABILITY IN ALL THESE AREAS AS WELL AS IN COMMUNICATIONS, ALL THE REASONS GIVEN FOR SETTING UP A TRI-SERVICE GROUP UNDER THE CNAD TO WORK ON COMMUNICATIONS CAN EQUALLY WELL BE GIVEN FOR SETTING UP

SUCH A GROUP IN EACH OF THE OTHER AREAS BUT THEY ARE SO CLOSELY INTER-RELATED THAT THEY COULD, AND, INDEED SHOULD, BE DEALT WITH BY ONE GROUP. EXAMPLES GIVEN OF THE CLOSE INTER-RELATIONSHIP BETWEEN THE FOUR AREAS CONCERNED ARE AS FOLLOWS:

(A) COMMAND AND CONTROL SYSTEMS ARE BECOMING INCREASINGLY AUTOMATED SO THAT THEY CAN COPE WITH THE VAST AMOUNT OF INFORMATION THAT MUST BE GATHERED AND PROCESSED FOR DECISION-MAKING PURPOSES. THESE SYSTEMS ARE TOTALLY DEPENDENT ON COMMUNICATIONS. COMMUNICATIONS ARE ALSO BEING IMPROVED AND ARE THEMSELVES BEING AUTOMATED. THEIR CHARACTERISTICS ARE INFLUENCED BY THE CHARACTERISTICS OF THE AUTOMATED COMMAND AND CONTROL SYSTEMS THEY SUPPORT, AND VICE VERSA. WITH IMPROVED INFORMATION GATHERING CAPABILITIES AND IMPROVED COMMUNICATIONS, THE NUMBER OF MESSAGES ENTERING, CIRCULATING WITHIN, AND LEAVING HEADQUARTERS, OPERATIONS CENTRES, ETC., IS INCREASING TO THE POINT WHERE THEY, IN TURN, MUST BE HANDLED BY AUTOMATIC DATA PROCESSING TECHNIQUES. COMMUNICATIONS AND AUTOMATIC DATA PROCESSING ARE INEXTRICABLE TIED TOGETHER.

(B) COMMUNICATIONS ARE VULNERABLE TO JAMMING. IT WOULD SEEM THAT THE ONLY REAL COUNTER TO THE JAMMING THREAT IS THE INTRODUCTION OF JAM-RESISTANT COMMUNICATIONS SYSTEMS SUCH AS THOSE WHICH ARE CONFIDENTIAL

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ALREADY BEING DEVELOPED IN THE UNITED STATES,

GERMANY AND FRANCE. SYSTEMS SUCH AS THE AMERICAN AND FRENCH ONES COULD BE USED FOR IDENTIFICATION, NAVIGATION AND POSITION LOCATION PURPOSES AS WELL AS THE GENERAL DISTRIBUTION OF INFORMATION. THE TECHNIQUES THEY USE ARE AMONG THOSE BEING CONSIDERED FOR INCORPORATION IN THE FUTURE NATO IDENTIFICATION SYSTEM. THEY ARE, IN EFFECT, DATA LINKS AND AUTOMATIC DATA PROCESSING IS NECESSARY FOR THE USERS TO EXCHANGE INFORMATION ON THEM. THERE IS, THEREFORE A TIE-UP BETWEEN COMMUNICATIONS, AUTOMATIC DATA PROCESSING, IDENTIFICATION, NAVIGATION AND POSITION LOCATION.

(C) THE CONCEPT ON WHICH THE FUTURE NATO IDENTIFICATION SYSTEM IS TO BE BASED IS ONE OF A SYSTEM WITH TWO COMPONENTS: A DIRECT COMPONENT WHICH WILL BE A QUESTION AND ANSWER SYSTEM SIMILAR IN OPERATION TO THE PRESENT IFF SYSTEMS; AND AN INDIRECT COMPONENT IN WHICH INFORMATION WHICH CAN AID THE PROCESS, AND ENHANCE THE CREDIBILITY OF IDENTIFICATION WILL

BE EXTRACTED FROM ALL RELEVANT SOURCES, INCLUDING, FOR EXAMPLE, COMMAND AND CONTROL SYSTEMS, INTELLIGENCE

AND RECONNAISSANCE SYSTEMS AND ELECTRONIC WARFARE SYSTEMS, AND ALSO FROM THE DIRECT COMPONENT ITSELF, AND PROCESSED AND DISSEMINATED BY AUTOMATIC MEANS. OBVIOUSLY, SUCH A SYSTEM CANNOT BE DEVELOPED BY IDENTIFICATION EXPERTS ALONE. THEY WILL HAVE TO WORK IN CO-OPERATION WITH THE PEOPLE WHO ARE DEVELOPING COMMUNICATIONS AND AUTOMATIC DATA PROCESSING EQUIPMENT FOR USE IN, OR WITH, THE OTHER SYSTEMS MENTIONED. IT WILL, IN FACT, BE A TWO-WAY BUSINESS. THE SYSTEM WILL NOT BE MERELY AN IDENTIFICATION SYSTEM BUT A MULTI-FUNCTIONAL INFORMATION COLLECTION AND DISTRIBUTION SYSTEM. IT IS BECAUSE OF ALL THIS THAT IT WAS PROPOSED, AND THE CNAD AGREED, THAT IF THE TRI-SERVICE GROUP IS FORMED, THE SPECIAL TASK GROUP ON THE FUTURE NATO IDENTIFICATION SYSTEM SHOULD BECOME A SUBORDINATE BODY OF THAT GROUP.

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11. THE INTERNATIONAL STAFF ALSO HOLDS THE VIEW THAT IT IS NOT ONLY THE INTER-RELATIONSHIP OF THE AREAS IN QUESTION, OR THE ADVENT OF MULTI-FUNCTIONAL SYSTEMS, THAT DICTATES THAT THE REPORT, IF CURRENT DISCUSSIONS AT HIGH POLITICAL LEVELS BEAR FRUIT, AND STANDARDIZATION IS SOUGHT THROUGH MILITARY TRADE AND INTERDEPENDENCE, A BALANCE MUST BE STRUCK BETWEEN LOSSES AND GAINS IN ALL REMUNERATIVE AREAS IF INDIVIDUAL NATIONAL ELECTRONIC INDUSTRIES ARE NOT TO SUFFER UNDULY. IT IS THEREFORE CONSIDERED THAT THE GROUP MUST BE EMPOWERED TO WORK IN ALL AREAS SO THAT IT IS IN A POSITION TO ASSIST IN STRIKING THAT BALANCE AND THAT, FOR THAT REASON, IT BECOMES EVEN MORE NECESSARY THAT IT SHOULD BE CONSTITUTED AS A BODY DIRECTLY SUBORDINATE TO THE CNAD AND WITH THE RIGHT KIND AND LEVEL OF NATIONAL REPRESENTATION.

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12. CONSIDERABLE EMPHASIS IS PLACED BY THE INTERNATIONAL STAFF ON THE NEED FOR THE RIGHT KIND AND LEVEL OF NATIONAL REPRESENTATION IN THE BELIEF THAT THEREIN LIES THE MAIN REASON FOR LACK OF SUCCESS IN THE PAST AND THE MAIN OBSTACLE TO BE OVERCOME IF WE ARE TO BE SUCCESSFUL IN THE FUTURE. IT IS INDEED THOUGHT BY SOME THAT THIS IS TRUE THROUGHOUT THE FIELD OF ARMAMENTS, AND NOT ONLY ON COMMUNICATIONS AND ELECTRONICS, BUT THAT IT HAS HAD A GREATER IMPACT IN THESE LATTER AREAS BECAUSE THE REPRESENTATIVES HAVE NOT ONLY BEEN REMOTE FROM THE DECISION-MAKING LEVELS IN THEIR NATIONS BUT THEY HAVE ALSO LACKED SPECIALIST ADVICE AND SUPPORT FROM THEIR PARENT NATO BODIES, THE MAIN GROUPS. IT HAS ALSO BEEN POINTED OUT THAT, UNLIKE IN OTHER ARMAMENTS FIELDS, A NUMBER OF SPECIALISED MULTINATIONAL BODIES EXIST IN NATO WHICH DEAL WITH THE OPERATIONAL ASPECTS OF COMMUNICATIONS AND ELECTRONIC EQUIPMENT AND THAT IF A TRI-SERVICE GROUP IS FORMED TO WORK IN THE LATTER FIELD IT WILL HAVE ALL THE ADVICE AND ASSISTANCE IT NEEDS ON OPERATIONAL MATTERS FROM THOSE BODIES AND WILL BE ABLE TO CONCENTRATE ON THE PROMOTION OF CO-OPERATION IN DEVELOPMENT AND PROCUREMENT. THIS FACTOR ALSO DICTATES THE KIND OF REPRESENTATION WHICH WOULD BE NECESSARY IN THE GROUP
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AND THIS IS REFLECTED IN THE POSSIBLE TERMS OF REFERENCE.

13. WITH RESPECT TO THE PRESENT BODIES OR ACTIVITIES WHICH SHOULD BE TRANSFERRED TO THE CONTROL OF THE TRI-SERVICE GROUP, IF FORMED, THE INTERNATIONAL STAFF HAS SUGGESTED TO THE NADREPS THAT THEY SHOULD CONSIDER THE TRANSFER OF THE FOLLOWING:

- (A) THE NNAG IEG/5 ON TACTICAL CONTROL AND DATA HANDLING AND ITS SPECIAL WORKING GROUP AND SUB-GROUPS.
- (B) THE TRI-SERVICE GROUP ON NAVIGATION, POSITION FINDING AND RELATED DEVELOPMENTS, AND ITS SUB-GROUP.
- (C) THE NAFAG SUB-GROUP 5 ON IDENTIFICATION WHICH SHOULD, AT THE SAME TIME, TAKE OVER THE ACTIVITIES OF THE NAAG PANEL VI IN THE AREA OF BATTLEFIELD IDENTIFICATION.
- (D) THE NAAG PANEL XIII ON ADP SYSTEMS FOR COMMAND AND CONTROL WHICH SHOULD, ALSO AT THE SAME TIME, ASSUME THE RESPONSIBILITY FOR AUTOMATED FIRE CONTROL SYSTEMS AND TAKE SUB-PANEL 1 OF THE NAAG PANEL IV UNDER ITS WING.
- (E) THE NAAG PANEL VIII ON TELECOMMUNICATIONS AND ITS SUB-PANEL.

(F) THE SPECIAL TASK GROUP ON THE FUTURE NATO IDENTIFICATION SYSTEM.

IT IS SUGGESTED THAT THE TRANSFER OF THE ACTIVITIES OF THE NAFAG SUB-GROUP 6 IN THE AREA OF AUTOMATIC DATA PROCESSING SHOULD BE DEFERRED UNTIL THE NEXT STAGE IN THE REORGANIZATION.

14. THE INTRNOT SEFF ENVISAGES THAT AT ITS FIRST MEETING, THE TRI-SERVICE GROUP WOULD REVIEW THE ACTIVITIES OF THE BODIES TRANSFERRED TO IT, IN THE LIGHT OF ITS TERMS OF REFERENCE, AND CONFIRM THEIR CONTINUING EXISTENCE WHERE THIS WAS APPROPRIATE OR DESIRABLE OR REPLACE THEM BY SUB-GROUPS ORGANIZED ON A FUNCTIONAL INSTEAD OF A PURELY SERVICE BASIS. AT THIS MEETING, THE TRI-SERVICE GROUP WOULD ALSO HAVE TO CONSIDER THE NEED FOR ADDITIONAL SUB-GROUPS TO UNDERTAKE ANY NEW TASKS WHICH THE CNAD HAD REQUESTED OR WHICH IT, ITSELF, DECIDED TO RECOMMEND TO THE CNAD THAT IT SHOULD UNDERTAKE. THE REVIEW OF THE EXISTING BODIES WOULD BE CONDUCTED WITH THE ASSISTANCE OF THE CHAIRMEN OF THOSE BODIES AND BOTH THE REVIEW CONFIDENTIAL

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AND THE CONSIDERATION OF THE NEED FOR ADDITIONAL SUB-GROUPS WOULD BE CONDUCTED TAKING INTO ACCOUNT THE VIEWS OF OTHER NATO C-E AND CCIS BODIES TO ENSURE THAT THERE WOULD BE NO OVERLAPPING OR DUPLICATION OF ACTIVITIES.

DISCUSSION

15. THERE IS NO DISAGREEMENT WITH THE INTERNATIONAL STAFF'S VIEW THAT IN THE AREAS OF COMMUNICATIONS, ADP, IDENTIFICATION AND NAVIGATION THE ACHIEVEMENT OF INTEROPERABILITY CAN CONTRIBUTE MOST TO THE OPERATIONAL EFFECTIVENESS OF THE ALLIANCE AND THAT NATO MUST THEREFORE HAVE THE ORGANIZATION WHICH WILL PROMOTE THAT INTEROPERABILITY. IT WOULD ALSO SEEM TO BE TRUE THAT THE CNAD PART OF THE ORGANIZATION, WHICH IS CONCERNED WITH THE INTRODUCTION OF COMMUNICATIONS AND ELECTRONIC EQUIPMENT INTO NATIONAL FORCES, LACKS THE HIGH LEVEL TECHNICAL DIRECTION, SUPPORT AND CO-ORDINATION WHICH IS ENJOYED BY THOSE PARTS OF THE NATO ORGANIZATION WHICH ARE CONCERNED WITH THE OPERATIONAL ASPECTS OF COMMUNICATIONS/ELECTRONICS AND THE PLANNING AND IMPLEMENTATION OF NATO-OWNED SYSTEMS. FURTHER IT IS RECOGNIZED THAT THE CNAD CURRENTLY LACKS A FOCUS THROUGH WHICH THE OTHER NATO BODIES IN THE COMMUNICATIONS/ELECTRONICS FIELD CAN DEAL WITH RELEVANT CNAD BODIES AND, IN ADDITION, CAN IDENTIFY, DISCUSS AND ELIMINATE AREAS OF ACTUAL, OR POTENTIAL, OVERLAP OF EFFORT. THE QUESTION TO BE RESOLVED IS WHETHER OR NOT THE FORMATION OF A TRI-SERVICE GROUP OF THE KIND PROPOSED BY THE INTERNATIONAL STAFF IS THE BEST WAY OF OVERCOMING THESE DEFICIENCIES.

16. MOST NATIONS ACCEPT THE NEED FOR A TRI-SERVICE GROUP OF SOME SORT WITH THE RIGHT KIND, AND LEVEL, OF NATIONAL REPRESENTATION TO WORK IN THE AREA OF COMMUNICATIONS EQUIPMENT BUT, DESPITE THE

ARGUMENTS PUT FORWARD BY THE INTERNATIONAL STAFF, THE NEED FOR THE GROUP TO WORK IN ALL FOUR OF THE CLOSELY RELATED AREAS OF COMMUNICATIONS, ADP, IDENTIFICATION AND NAVIGATION DOES NOT APPEAR TO HAVE THE SAME DEGREE OF ACCEPTANCE AND ONE REASON WHICH HAS BEEN GIVEN IS THE DIFFICULTY OF FINDING REPS COMPETENT IN ALL FOUR AREAS. IT IS SUGGESTED THAT WHERE THIS DIFFICULTY EXISTS IT SHOULD BE POSSIBLE FOR PRINCIPLE NATIONAL REPS TO BE ACCOMPANIED BY APPROPRIATE EXPERTS, A PRACTICE WHICH IS COMMON AT NATO MEETINGS. THE NUMBER OF SUCH EXPERTS COULD BE KEPT TO A MINIMUM BY CAREFUL SELECTION OF THE CONFIDENTIAL

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ITEMS TO BE INCLUDED IN EACH AGENDA. IT HAS ALSO BEEN SAID THAT ADP IS TOO VAST A SUBJECT TO BE INCLUDED IN THE SCOPE OF THE PROPOSED TRI-SERVICE GROUP AND THAT TO DO SO COULD RETARD PROGRESS TOWARD ACHIEVEMENT OF MUCH NEEDED IMPROVEMENTS IN THE OTHER AREAS. THERE IS NO EVIDENCE TO SUPPORT THIS CONTENTION INsofar AS THE CNAD'S PRESENT RESPONSIBILITIES IN THE AREA OF ADP ARE CONCERNED. MOREOVER, THE DETAILED WORK IN THIS AREA, AS IN THE CASE OF OTHER CNAD WORK, WOULD BE PERFORMED AS REQUIRED BY A SUB-GROUP, OR SUB-GROUPS; AND NOT BY THE TRI-SERVICE GROUP ITSELF.

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17. A MAJOR AREA OF CONTENTION CONCERNING THE PROPOSAL IS THE TRANSFER OF THE CONTROL OF SOME SUB-BODIES FROM THE MAIN GROUPS TO THE TRI-SERVICE GROUP. THE NNAG IS PARTICULARLY ADAMANT THAT IT SHOULD MAINTAIN CONTROL OF THE WORK OF IEG/5

WHICH IT CONSIDERS TO BE AN ESSENTIAL PART OF ITS ORGANIZATION. THE NAAG HAS RECOMMENDED THAT PANELS VIII AND XIII AND THE ACTIVITIES OF PANEL VI IN THE AREA OF BATTLEFIELD IDENTIFICATION SHOULD REMAIN UNDER ITS CONTROL; THAT THE TRI-SERVICE GROUP SHOULD WORK ONLY IN THE AREA OF COMMUNICATIONS; AND THAT ITS ROLE SHOULD BE RESTRICTED TO THE CO-ORDINATION OF INTER-SERVICE MATTERS. IF THE VIEW OF THE NAAG IS ACCEPTED, IT WOULD, ALTHOUGH THE REASONS DIFFER, PROVIDE ADDITIONAL SUPPORT TO THE SUGGESTION THAT ADP SHOULD BE EXCLUDED FROM THE WORK OF THE TRI-SERVICE GROUP AND IT WOULD THEN BE LOGICAL FOR THE NAAG TO RETAIN PANEL XIII UNDER ITS CONTROL AND ALSO FOR THE NAFAG SUB-GROUP 6 TO RETAIN ITS RESPONSIBILITIES IN THE AREA OF ADP.

18. THE NAAG RECOMMENDATIONS CONCERNING THE ROLE AND WORK OF THE TRI-SERVICE GROUP WOULD, IF ADOPTED, LEAD TO THE CREATION OF A BODY WHICH WOULD BE CONSIDERABLY DIFFERENT IN NATURE THAN THAT ENVISAGED IN THE PROPOSAL. THESE RECOMMENDATIONS WHICH ARE, INCIDENTALLY, INCONSISTENT WITH THE EXPRESSED POSITIONS OF SOME CONFIDENTIAL

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MEMBER NATIONS, ARE SIMILAR IN SOME RESPECTS TO A VIEW EXPRESSED DURING THE NADREPS' DISCUSSIONS THAT THE TRI-SERVICE GROUP SHOULD BE ESTABLISHED TO ADDRESS AND CO-ORDINATE COMMUNICATIONS AND ELECTRONIC EQUIPMENT MATTERS OF A TRI-SERVICE NATURE WHILST LEAVING THE PRESENT SUBORDINATE BODIES OF THE MAIN GROUPS INTACT (WITH THE EXCEPTION OF THOSE WHICH ALREADY HAVE JOINT-SERVICE INTERESTS) TO DEAL WITH PROBLEMS PECULIAR TO THEIR APARTICULAR SERVICES AND WITH INFORMATION EXCHANGE. IT IS SELDOM, HOWEVER, THAT SUCH MATTERS CONCERN ONLY ONE SERVICE AND EVEN WHEN THEY INITIALLY DO APPEAR TO BE SINGLE-SERVICE IN NATURE, JOINT-SERVICE DISCUSSIONS, OR BITTER EXPERIENCE, USUALLY PROVE THEM TO BE OTHERWISE. ALSO, ANY ORGANIZATION IN WHICH ONE BODY HAS TO CO-ORDINATE THE ACTIVITIES OF GROUPS UNDER THE CONTROL OF OTHER CO-EQUAL BODIES IS LIKELY TO AWKWARD AND SLOW-MOVING. FURTHER, IF THE TRI-SERVICE GROUP WERE EMPOWERED TO DEAL ONLY WITH MATTERS OF A TRI-SERVICE NATURE, CONFLICT COULD WELL ARISE BETWEEN IT AND THE MAIN GROUPS ABOUT WHICH BODY SHOULD DO WHAT NOT ONLY IN RESPECT OF CURRENT ACTIVITIES BUT FUTURE ACTIVITIES AS WELL.

19. A VARIATION ON THE LATTER THEME WAS A NADREP SUGGESTION THAT THE TRI-SERVICE GROUP SHOULD BE ESTABLISHED TO ADDRESS AND CO-ORDINATE ALL COMMUNICATIONS AND ELECTRONIC EQUIPMENT MATTERS AND THE PRESENT SUBORDINATE BODIES WOULD REMAIN UNDER THE CONTROL OF THE MAIN GROUPS WHILE REPORTING TO, AND BEING TASKED BY THE TRI-SERVICE GROUP THROUGH THEIR PARENT BODIES. SUCH AN ARRANGEMENT WOULD HAVE THE DISADVANTAGES ALREADY DESCRIBED. IT MIGHT LEAD TO FURTHER CONFLICT IF THE MAIN GROUPS, TAKING THEIR RETENTION OF THE PRESENT SUBORDINATE BODIES AS A PRECEDENT, OPPOSED THE FORMATION BY THE TRI-SERVICE GROUPS OF NEW SUB-GROUPS TO DEAL WITH NEW PROBLEMS. THE ONLY ADVANTAGE THIS SUGGESTION HAS OVER THE PREVIOUS ONE IS THAT THE GROUP WOULD HAVE THE

MANDATE TO ADDRESS ALL COMMUNICATIONS AND ELECTRONIC EQUIPMENT MATTERS. THIS WOULD NOT OUTWEIGH ITS DISADVANTAGES AND HAS, THEREFORE, LITTLE TO COMMEND IT.

20. A THIRD SUGGESTION HAS BEEN THAT THE TRI-SERVICE GROUP SHOULD BE ESTABLISHED TO COVER COMMUNICATIONS AND OTHER ELECTRONICS AREAS OR COMBINATIONS OF ELECTRONICS AREAS BUT NOT ALL FOUR OF THOSE PUT FORWARD IN THE PROPOSAL. NO ATTEMPT HAS YET BEEN MADE TO DEFINE THE AREAS TO BE COVERED BUT IT WOULD SEEM THAT
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THE ONLY LOGICAL MODIFICATION - AND THEN LOGICAL ONLY FROM AN ORGANIZATIONAL POINT OF VIEW-WOULD BE TO MAKE THE SCOPE OF THE WORK OF THE TRI-SERVICE GROUP SIMILAR TO THAT OF THE MILITARY COMMITTEE'S COMMUNICATIONSELECTRONICS ORGANIZATION WHICH DOES NOT DEAL WITH ALL ADP MATTERS BUT HAS CERTAIN RESPONSIBILITIES FOR SUCH MATTERS WHICH IT EXERCISES JOINTLY WITH THE COMMAND, CONTROL AND INFORMATION SYSTEMS ORGANIZATION. TH RESPONSIBILITIES OF THESE TWO ORGANIZATIONS FOR ADP ARE DEFINED IN A MILITARY COMMITTEE DOCUMENT, MC 207. IN VIEW OF THE DETERMINATION OF THE NNAG TO RETAIN CONTROL OF THE WORK OF IEG/5, AND THE DOUBTS EXPRESSED IN OTHER CIRCLES ABOUT THE WISDOM OF THE TRI-SERVICE GROUP DEALING WITH ADP MATTERS, THE EXCLUSION OF ADP EUQIPMENT MIGHT BE WARRANTED SUBJECT TO ITS LATER RECONSIDERATION IN THE LIGHT OF PRACTICAL EXPERIENCE.

21. A FOURTH SUGGESTION HAS BEEN TO ESTABLISH THE TRI-

21. A FOURTH SUGGETION HAS BEEN TO ESTABLISH THE TRI-SERVICE GROUP TO DEAL WITH COMMUNICATIONS EQUIPMENT MATTERS ONLY. SINCE A TRI-SERVICE APPROACH IS AT PRESENT LACKING MORE IN THE AREA OF COMMUNICATIONS THAN IDENTIFICATION OR NAVIGATION, THIS SUGGESTION APPEARS TO HAVE SOME MERIT. HOWEVER, SUCH A GROUP WOULD RUN INTO DIFFICULTUES UNLESS IT WERE GIVEN SOME CO-ORDINATING FUNCTIONS IN OTHER AREAS SINCE IT WOULE INEVITABLY BECOME INVOLVED IN THE FUTURE IN SYSTEMS WHICH HAD FUNCTIONS IN ADDITION TO COMMUNICATIONS, SUCH A JAM-RESISTANT COMMUNICATIONS SYSTEMS, AND THOSE IN WHICH COMMUNICATIONS WERE AN ESSENTIAL ELEMENT.

22. THE CNAD IS ANXIOUS THAT THE PLAN FOR THE ESTABLISHMENT OF THE TRI-SERVICE GROUP SHOULD BE PREPARED IN SUCH A WAY AS TO REDUCE AND SIMPLIFY THE WORK IN THE FIELD OF COMMUNICATIONS AND ELECTRONIC EQUIPMENT. SINCE THE WORK TO BE DONE INTHE FIELD IS ALREADY GROWING AND IS LIKELY TO INCREASE, THE AIM OF REDUCING IT IS UNLIKELY TO BE ACHIEVED BY ANY KIND OF REORGANIZATION. THE WORK CAN BE SIMPLIFIED AND MADE MORE EFFECTIVE BY THE ADOPTION OF THE RIGHT KIND OF ORGANIZATION BUT IT IS CONSIDERED THAT THE CASE FOR THEESTABLISHMENT OF THE TRI-SERVICE GROUP MUST REST MAINLY ON THE IMPROVEMENTS IT WOULD MAKE IN THE DIRECTION, CO-ORDINATION, AND ORGANIZATION OF THESE ACTIVITIES AND IN THE
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CO-ORDINATION OF THE CNAD ACTIVITIES WITH THOSE OF OTHER NATO BODIES AND STAFFS WORKING IN THE SAME OR RELATED AREAS. IT IS BELIEVED THAT A TRI-SERVICE GROUP AS PROPOSED IS THE ONLY WAY OF EFFECTING THOSE IMPROVEMENTS AFND THAT THE ONLY CHANGE WHICH SHOULD BE CONSIDERED TO THE PROPOSAL IS IN RESPECT OF THE AREAS TO BE COVERED. IN THIS LATTER RESPECT, THE OMISSION OF ADP EQUIPMENT WHICH HAS BEEN SUGGESTED APPEARS TO BE A WARRANTED SUBJECT TO RECONSIDERATION IN THE LIGHT OF PRACTICAL EXPERIENCE AFTER, SAY, ONE YEAR'S OPERATION OF THE GROUP.

RECOMMENDATIONS

23. IN VIEW OF ABOVE DISCUSSION, IT IS RECOMMENDED THAT THE CONFERENCE:

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(A) AGREES TO THE ESTABLISHMENT OF A TRI-SERVICE GROUP ON COMMUNICATIONS AND ELECTRONIC EQUIPMENT WITH TERMS OF REFERENCE AS ANNEXED BUT AMENDED TO DELETE ", INCLUDING AUTOMATIC DATA PROCESSING EQUIPMENT," IN THE SECOND AND THIRD LINES OF PARA 2;

(B) NOTES PARTICULARLY THE NEED FOR THE GROUP TO BE COMPOSED OF SENIOR REPS FROM NAT'L ORGANIZATIONS CONCERNED WITH THE DEVELOPMENT PROCUREMENT OF COMMUNICATIONS AND ELECTRONIC EQUIPMENT;

(C) AGREES THAT THE FOLLOWING BODIES OR ACTIVITIES BE TRANSFERRED TO THE CONTROL OF THE TRI-SERVICE GROUP:

(I) THE TRI-SERVICE GROUP ON NAVIGATION, POSITION FINDING AND RELATED DEVELOPMENTS.

(II) THE NAFAG SUB-GROUP 5 ON IDENTIFICATION WHICH SHOULD, AT THE SAME TIME, TAKE OVER THE ACTIVITIES OF THE NAAG PANEL VI IN THE AREA OF BATTLEFIELD IDENTIFICATION.

(III) THE NAAG PANEL VIII ON TELECOMMUNICATIONS AND ITS SUB-PANEL.

(IV) THE SPECIAL TASK GROUP ON THE FUTURE NATO IDENTIFICATION SYSTEM.

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(V) THE AD HOC GROUP ON CHANNEL EVALUATION TECHNIQUES IN HF COMMUNICATIONS (WHICH HAS BEEN FORMED SINCE THE ORIGINAL PROPOSAL WAS MADE).

(D) AGREES TO RECONSIDER THE INCLUSION OF AUTOMATIC DATA PROCESSING EQUIPMENT IN THE TERMS OF REFERENCE OF THE TRI-SERVICE GROUP ONE YEAR AFTER THE FIRST MEETING OF THE GROUP;

(E) AGREES TO ADVISE THE MILITARY COMMITTEE, THE NJCEC AND THE NCCDPC OF THE ESTABLISHMENT OF THD TRI-SERVICE GROUP AND TO INVITE THEIR ATTENTION TO THE TERMS OF REFERENCE OF THE GROUP AND, IN PARTICULAR, TO THE RELATIONSHIPS WITH OTHER STAFFS AND BODIES.

ANNEX TO AC/259-WP/23(REVISED)

POSSIBLE TERMS OF REFERENCE FOR A TRI-SERVICE GROUP ON COMMUNICATIONS AND ELECTRONIC EQUIPMENT

I. MISSION

UNDER THE DIRECTION OF THE CONFERENCE OF NATIONAL ARMAMENTS DIRECTORS (CNAD), TO PROMOTE CO-OPERATION AMONG THE NATO NATIONS IN THE DEVELOPMENT AND PROCUREMENT OF COMMUNICATIONS AND ELECTRONIC EQUIPMENT FOR NATIONAL FORCES WITH THE PRIMARY AIMS OF ACHIEVING THE TECHNICAL INTEROPERABILITY OF SUCH EQUIPMENT WHICH IS ALREADY IN EXISTENCE OR UNDER DEVELOPMENT AND THE ADOPTION OF STANDARDIZED OR COMMON EQUIPMENT IN THE FUTURE.

2. THE TRI-SERVICE GROUP IS CONCERNED PRIMARILY WITH EQUIPMENT, INCLUDING AUTOMATIC DATA PROCESSING EQUIPMENT, USED IN THE TACTICAL COMMAND AND CONTROL, COMMUNICATIONS, NAVIGATION AND IDENTIFICATION SYSTEMS OF NATIONAL FORCES BUT IT MAY EXTEND ITS ACTIVITIES TO COVER EQUIPMENT USED IN OTHER SYSTEMS WHERE THERE ARE SIMILARITIES IN TECHNIQUES AND APPLICATION. IT IS NOT CONCERNED WITH INDIVIDUAL ELECTRONIC DEVICES OR WITH ELECTRONIC COMPONENTS USED IN WEAPON SYSTEMS.

II. COMPOSITION AND ORGANIZATION

3. THE TRI-SERVICE GROUP WILL BE COMPOSED OF:

(A) SENIOR REPS FROM NAT'L ORG'S CONCERNED WITH THE DEVELOPMENT AND PROCUREMENT OF COMMUNICATIONS AND ELECTRONIC EQUIPMENT FOR THE ARMED FORCES:

(B) A CHAIRMAN ELECTED FROM NAT'L PROPOSALS: AND
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(C) A VICE-CHAIRMAN PROVIDED BY THE DIRECTORATE OF
ARMAMENTS AND DEFENCE RESEARCH, DEVENCE SUPPORT
DIVISION, INT'L STAFF.

4. THE MAJOR NATO COMMANDERS, THE INT'L MILITARY
STAFF AND THE SPECIALIZED COMMUNICATIONS-ELECTRONICS AGENCIES
OF THE MILITARY COMMITTEE WILL PARTICIPATE IN THE WORK OF THE TRI-
SERVICE GROUP IN ACCORDANCE WITH THE POLICY AND GUIDANCE
ESTABLISHED BY THE MILITARY COMMITTEE IN MC 138(FINAL).

5. THE MEETINGS OF THE TRI-SERVICE GROUP WILL, WHEN
APPROPRIATE, ALSO BE ATTENDED BY:

(A) MEMBERS OF THE DEFENSE SUPPORT DIVISION, INT'L STAFF;

(B) MEMBERS OF THE COMMUNICATIONS AND ELECTRONICS
DIRECTORATE, OFFICE OF COUNCIL OPERATIONS AND
COMMUNICATIONS, INT'L STAFF;

(C) MEMBERS OF THE NATO INTEGRATED COMMUNICATIONS SYSTEM
MANAGEMENT AGENCY.

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6. THE TRI-SERVICE GROUP WILL ESTABLISH SUB-GROUPS FOR
THE STUDY OF SPECIALIZED SUBJECTS OR THE IMPLEMENTATION OF
CO-OPERATIVE PROJECTS(1) AND WILL ARRANGE FOR APPROPRIATE
NAT'L REPRESENTATION ON THE SUB-GROUPS. THE SUB-GROUPS
WILL BE DISBANDED UPON THE COMPLETION OF THEIR TASKS.

7. SECRETARIAL AND STAFF SUPPORT FOR THE TRI-SERVICE GROUP WILL BE PROVIDED BY THE ELECTRONICS SECTION OF THE DIRECTORATE OF ARMAMENTS AND DEFENCE RESEARCH. LIAISON WITH OTHER BODIES WILL NORMALLY BE ESTABLISHED AND MAINTAINED THROUGH THE MEDIUM OF THIS SECTION.

III. FUNCTIONS

8. TO ACCOMPLISH ITS MISSION, THE TRI-SERVICE GROUP WILL:

(A) TAKE COGNIZANCE OF THE OPERATIONAL REQUIREMENTS OF THE NATO MILITARY AUTHORITIES FOR THE INTEROPERABILITY OR STANDARDIZATION OF COMMUNICATIONS AND ELECTRONIC EQUIPMENT AND OF ALL RELEVANT POLICY DOCUMENTS, STANDARDIZATION AGREEMENTS (STANAGS) AND ALLIED PUBLICATIONS PROMULGATED BY THOSE AUTHORITIES:

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(B) EXCHANGE INFORMATION ON EQUIPMENT ALREADY IN EXISTENCE OR UNDER DEVELOPMENT FOR THE BENEFIT OF NATIONS WHICH MAY WISH TO PROCURE SUCH EQUIPMENT FROM OTHER NATIONS;

(C) WHERE THE OPERATIONAL NEED EXISTS, DETERMINE THE METHODS BY WHICH THE INTEROPERABILITY OF EQUIPMENT ALREADY IN EXISTENCE OR UNDER DEVELOPMENT CAN BE ACHIEVED AND PREPARE THE NECESSARY RECOMMENDATIONS FOR SUBMISSION TO THE INT'L MILITARY STAFF FOR PROCESSING AS STANAGS IN THE 5000 SERIES;

(D) EXCHANGE INFORMATION ON NATIONAL PLANS AND PROGRAMMES FOR THE DEVELOPMENT AND PROCUREMENT OF NEW EQUIPMENT WITH A VIEW TO IDENTIFYING AREAS IN WHICH CO-OPERATIVE ACTION OR STANDARDIZATION IS NECESSARY;

(E) CONSIDER PROPOSALS FROM NATO NATIONS AND THE NATO MILITARY AUTHORITIES FOR CO-OPERATIVE ACTION OR STANDARDIZATION IN AREAS IN WHICH OPERATIONAL REQUIREMENTS HAVE BEEN ESTABLISHED BUT NO NATIONAL PLANS OR PROGRAMMES HAVE YET BEEN FORMULATED TO MEET THEM;

(F) IN CONSEQUENCE OF (D) AND (E) ABOVE, PREPARE DRAFT STANAGS FOR PROCESSING BY THE INT'L STAFF IN THE 4000 SERIES OR SUBMIT PROPOSED CO-OPERATIVE PROJECTS TO THE CONFERENCE OF NATIONAL ARMAMENTS DIRECTORS FOR ENDORSEMENT AS "NATO PROJECTS";

(G) MAINTAIN CLOSE LIAISON WITH THE NATO MILITARY AUTHORITIES; THE NATO COMMUNICATIONS-ELECTRONICS BOARD AND THE SPECIALIZED COMMUNICATIONS-ELECTRONICS AGENCIES OF THE MILITARY COMMITTEE ; THE NATO JOINT COMMUNICATIONS-ELECTRONICS COMMITTEE; THE NATO COMMAND: CONTROL AND INFORMATION SYSTEMS AND AUTOMATIC DATA PROCESSING COMMITTEE AND ITS SUBORDINATE BODIES; THE MAIN GROUPS OF THE CONFERENCE OF NATIONAL ARMAMENTS DIRECTORS AND THOSE OF THEIR SUBORDINATE BODIES WORKING IN RELATED FIELDS; AND WITH RELEVANT MULTINATIONAL BODIES ESTABLISHED BY ALLIED NATIONS WITHIN OR OUTSIDE OF THE NATO FRAMEWORK;

(H) REPORT PERIODICALLY TO THE CONFERENCE OF NATIONAL
ARMAMENTS DIRECTORS ON PROGRESS AND PROBLEMS.
END TEXT.

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